



Contents of Volume 52

Number 1

- 1 Importance Measures in Global Sensitivity Analysis of Nonlinear Models
T. HOMMA (Japan) & A. SALTELLI (Italy)
- 19 Formulae for the Downtime Distribution of a Monotone System Observed in a Time Interval
H. HAUKÅS & T. AVEN (Norway)
- 27 On Assessing Operator Response Time in Human Reliability Analysis (HRA) Using a Possibilistic Fuzzy Regression Model
B. KIM & R. R. BISHU (USA)
- 35 Safety-related Equipment Prioritization for Reliability Centered Maintenance Purposes Based on a Plant Specific Level 1 PSA
S. MARTORELL, V. SERRADELL & G. VERDÚ (Spain)
- 45 Mission Success With Components Not as Good as New
W. G. SCHNEEWEISS (Germany)
- 55 Influence of Specific Data on a Research Reactor Probabilistic Model
R. JORDAN-CIZELJ & B. MAVKO (Slovenia)
- 65 A Monte Carlo Estimation of the Marginal Distributions in a Problem of Probabilistic Dynamics
P. E. LABEAU (Belgium)
- 77 A Knowledge-based Approach to the Evaluation of Fault Trees
YANN-JONG HWANG, L. R. CHOW & H. C. HUANG (ROC)
- 87 Reliability Analysis Using an Additive Weibull Model With Bathtub-shaped Failure Rate Function
M. XIE (Singapore) & C. D. LAI (New Zealand)
- 95 Corrigendum
P. KAFKA (Germany)
- 97 Book Review
- 99 Calendar

Number 2

- 101 On the Effects of Background Selftests on System Performance
H. BAEHRING & J. DUNKEL (Germany)
- 113 Multi-person and Multi-attribute Design Evaluations Using Evidential Reasoning Based on Subjective Safety and Cost Analyses
J. WANG, J. B. YANG & P. SEN (UK)
- 129 Simulation of an Integrated Age Replacement and Spare Provisioning Policy Using SLAM
A. B. M. ZOHRUL KABIR & S. H. A. FARRASH (Saudi Arabia)

- 139 A Taxonomy of Voting Schemes for Data Fusion and Dependable Computation
B. PARHAM (USA)
- 153 Review of Probabilistic Safety Assessments: Insights and Recommendations
Regarding Further Developments
C. SPITZER (Germany)
- 165 Reliability of Railway Traffic Personnel
A. HUDOKLIN & V. ROZMAN (Slovenia)
- 171 On the Steady State Unavailability of Standby Systems
T. AVEN & K. OPDAL (Norway)
- Letter to the Editors**
- 177 Discussion of the Paper Bivariate and Trivariate Normal Integrals in Affine Space
with Applications in Structural System Reliability
N. HARNPORNCHAI
- 179 Calendar

Number 3**Special Issue****Reliability and Safety Analysis of Dynamic Process Systems**

- 181 Guest Editorial
T. ALDEMIR & N. SIU (USA)
- 185 Probabilistic Dynamics as a Tool for Dynamic PSA
J. DEVOOGHT (Belgium) & C. SMIDTS (USA)
- 197 Relationship Between Probabilistic Dynamics and Event Trees
J. M. IZQUIERDO, E. MELENDEZ (Spain) & J. DEVOOGHT (Belgium)
- 211 Process Reliability and Safety under Uncertainties
T. ALDEMIR, M. BELHADJ & L. DINCA (USA)
- 227 Monte Carlo Approach to PSA for Dynamic Process Systems
M. MARSEGUERRA & E. ZIO (Italy)
- 243 Stochastic Petri Nets for the Reliability Analysis of Communication Network
Applications with Alternate-routing
M. BALAKRISHNAN & K. S. TRIVEDI (USA)
- 261 Representing Context, Cognition, and Crew Performance in a Shutdown Risk
Assessment
D. I. GERTMAN, L. N. HANEY & N. O. SIU (USA)
- 279 The DYLM Approach for the Dynamic Reliability Analysis of Systems
G. COJAZZI (Italy)
- 297 The Development and Application of the Accident Dynamic Simulator for Dynamic
Probabilistic Risk assessment of Nuclear Power Plants
K.-S. HSUEH & A. MOSLEH (USA)
- 315 Application of the Integrated Safety Assessment Methodology to the Protection of
Electric Systems
J. HORTAL & J. M. IZQUIERDO (Spain)
- 327 Reliability Analysis and Operator Modelling
E. HOLLNAGEL (Norway)
- 339 Some Computational Improvements in Process System Reliability and Safety
Analysis Using Dynamic Methodologies
M. BELHADJ & T. ALDEMIR (USA)
- 349 Calendar

